

# Trilogy

## Laboratory Fluorometer



### Trilogy Fluorometer for Biotech Applications

Trilogy Laboratory Fluorometer can be configured for numerous applications using simple snap-in modules containing the appropriate optical components (LED/Filter combo) for a specific assay. Turner Designs now offers snap-in modules for quantification of nucleic acids using fluorescent dye tags. If a standard module doesn't exist, Trilogy users can request custom modules by defining the excitation/emission wavelengths required for their analysis. The excellent sensitivity, solid-state design providing great reliability, and flexibility offered by the Trilogy make it an ideal tool for any laboratory setting.



### Trilogy Features

- Snap-in Optical Modules
  - Application Flexibility
  - Solid-State Components
- Internal Memory
  - Store up to 18 different calibrations
  - 5 standards per calibration curve
- Sensitive
  - Factory Set (No Adjustment Required)
  - Broad Range of Detection

### Snap-In Biotech Application Modules

- Hoechst 33258 (DNA Quantitation)
- Custom Modules also available*

### Module Performance

APPLICATION	MINIMUM DETECTION LIMIT	LINEAR RANGE
DNA Quantitation (Hoechst 33258)	0.005 µg/mL*	0-2 µg/mL*

\*Limits were determined using Calf Thymus DNA Standard

### Trilogy Electrical Specifications

Light Source & Detector	Light Emitting Diode and Photodiode
Data Output (S/N: 720XXXXXX)	ASCII format through a 9 pin RS-232 serial cable at 9600 baud
Data Output (S/N: 721XXXXXX)	ASCII format via USB
PC Operating System (optional if connected to PC)	Window 98 or later
Power	100 to 240VAC Universal Power Supply included, Output 12 VDC 0.84A Max

### Trilogy Physical Specifications

Readout	Direct Concentration (µg/ml, ppb, etc.) or Raw Fluorescence (RFU)
Dimensions (D x W x H)	12.92" x 10.44" x 8.42" (32.82 cm x 26.52 cm x 21.39 cm)
Weight	8.1 lbs (3.65 kg)
Operating Temperature	60 - 105° F (15 - 40°C)

### Contact Us

Toll-Free : 1.877.316.8049  
 Phone : 408.749.0994  
 Fax : 408.749.0998

Email : sales@turnerdesigns.com  
 Web : www.turnerdesigns.com

Address:  
 1995 N. 1st Street  
 San Jose, CA 95112